SIEMENS

Data sheet

6ES7972-0BB12-0XA0

product type designation product description



PROFIBUS connector

PROFIBUS bus connector, RS 485, screw, with programming port, 90°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, 15.8x 64x 35.6 mm (WxHxD), terminating resistor with isolating function, With PG receptacle

Technical Product Detail Page	https://i.siemens.com/1P6ES7972-0BB12-0XA0
suitability for use	for connecting PROFIBUS stations to the PROFIBUS bus cable
transfer rate	
transfer rate / with PROFIBUS DP	9.6 kbit/s 12 Mbit/s
interfaces	
number of electrical connections	
• for PROFIBUS cables	2
 for network components or terminal equipment 	1
type of electrical connection	
 for PROFIBUS cables 	Screw
 for network components or terminal equipment 	9-pin sub D connector
type of electrical connection / FastConnect	No
mechanical data	
design of terminating resistor	Resistor combination integrated and connectable via slide switch
material / of the enclosure	plastic
locking mechanism design	Screwed joint
design, dimensions and weights	
type of cable outlet	90 degree cable outlet
width	15.8 mm
height	64 mm
depth	35.6 mm
net weight	45 g
ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
protection class IP	IP20
product features, product functions, product components /	general
product feature	
• silicon-free	Yes
product component	
 PG connection socket 	Yes
• strain relief	Yes
standards, specifications, approvals	
certificate of suitability	
 RoHS conformity 	Yes
UL approval	Yes

further information / internet links

internet link

• to website: Selection guide for cables and connectors

• to web page: selection aid TIA Selection Tool

• to website: Industrial communication

• to web page: SiePortal • to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

https://support.industry.siemens.com/cs/ww/en/view/109766358

https://www.siemens.com/tstcloud

https://www.siemens.com/simatic-net

https://sieportal.siemens.com

https://www.automation.siemens.com/bilddb

https://www.siemens.com/cax

https://support.industry.siemens.com

security information

security information

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Approvals / Certificates

General Product Approval





Miscellaneous

China RoHS



Manufacturer Declaration

General Product Approval

EMV

For use in hazardous locations





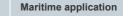


FM



FM

For use in hazardous locations







IECEx

Type Examination Certificate

CCC-Ex





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